

corrected for certain typographical errors found in the originally submitted application. No new matter has been added by these amendments. The present application incorporates the original filing including any amendments made in the international filing. There was no amendment in the International Application, and there is no annex to the International Preliminary Examination Report because a Demand for an IPER was not filed. The specification is an English translation of an originally Chinese language document.

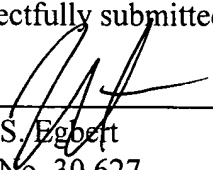
The Claims have been amended so as to conform with U.S. requirements and so as to remove multiple dependent claims. The Abstract has been amended so as to conform to U.S. filing requirements.

Applicant respectfully requests that the present Amendment be entered prior to an initial Official Action on the present application.

5.4.06
Date

Customer No. 24106

Respectfully submitted,



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CLAIMS

I claim:

1. (Currently amended) ~~An improves structure of~~ An assembled shelf comprising:

~~the~~ a main frame being comprised of ~~comprises~~ two vertical side racks and several sets of shelves; ~~and the~~ each shelf is being placed between ~~the~~ said two vertical side racks, ~~and the~~ each vertical side rack ~~made by~~ being comprised of a vertical bar and horizontal bar, ~~its feature~~ includes:-

————— a wherein said vertical bar of ~~the~~ said vertical side rack includes is comprised of a main bar and ~~an inner/outer~~ a secondary bar, ~~and the inner/outer~~ said secondary bar is being placed inside and outside of ~~the~~ said main bar, ~~and the~~ said main bar is being spaced between ~~the inner/outer~~ said secondary bar, ~~and the~~ space is therebetween being positioned and formed by ~~the~~ said horizontal bar;

~~the~~ wherein sides of ~~the~~ each shelf ~~that are~~ corresponding to the vertical side rack ~~has~~ have a frame; and a vertical groove ~~is~~, placed between two ends of ~~the~~ said frame, ~~and the~~ a position of the groove is being connected ~~with the~~ to an inner second bar of ~~the~~ said vertical side rack ~~mentioned~~ above, ~~and the~~ a surface of ~~the~~ said frame is being pushed against ~~the~~ a side of ~~the~~ said main bar;

————— ~~by so doing to achieve the~~, positioning of ~~the~~ each shelf and two vertical side racks being positioned, ~~and the~~ an outer secondary bar ~~provides the~~ providing an extendable vertical side rack for ~~the~~ each shelf.

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2. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 1, wherein ~~the~~ a vertical section of the frame on both sides of each shelf ~~can be~~ has a \subset shape.

3. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 2, wherein ~~wherein~~ said further comprising:

a reinforced stand ~~is being positioned~~ in place; and ~~the reinforced stand has~~ having a long board with a predetermined width, ~~and the~~ a top end of ~~its~~ a short end ~~extends~~ thereof extending as a horizontal surface, ~~and the~~ said reinforced stand ~~extends~~ extending a bent section on both ends along ~~the~~ a long end thereof, ~~so that the~~ said reinforced stand ~~may stands~~ standing from the short end thereof;

wherein the \subset shaped frame on both sides of ~~the~~ each shelf ~~is open on~~ a shelf plank, ~~which form forming~~ a frame space between ~~the~~ a bottom of ~~the~~ said shelf plank to ~~the~~ a bottom of ~~the~~ said frame, ~~and the~~ said reinforced stand having a bent section insertable into said frame space is for the bent section of the reinforced stand to insert, so that the, said reinforced stand is placed between ~~the~~ said frame on both sides, ~~and the~~ a top horizontal support at ~~the~~ a top side of ~~the~~ said reinforced stand ~~supports the~~ supporting a bottom of ~~the~~ said layer board, ~~and by so doing, it forms forming~~ a reinforced structure, ~~so that the~~ said shelf plank ~~can handle greater~~ handling increased weight.

4. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 1, wherein ~~the~~ said main bar of ~~the~~ said vertical side racks and ~~the inner/outer~~ said secondary bar ~~can be~~ is a circular bar; ~~so that the~~, a horizontal section of the groove of the frame ~~can be~~ being semi-circular.

5. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 1, wherein ~~the~~ said frame on two sides of ~~the~~ each shelf ~~may have~~ has a corresponding bent slab, ~~and the~~ a top

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and bottom of the bent slab ~~can be~~ being a horizontal slab, ~~and the bent slab being like a step by~~
~~having~~ a vertical slab is connected between the top and bottom ~~to make the section of the bent slab~~
~~like a step, so that the~~ thereof, a top of the said frame on two sides of the each shelf ~~form~~ forming
a bent edge, ~~and the said horizontal slab of the top end of the bent slab is being connected to the a~~
bottom of the said bent edge; ~~so that forming a C insert groove is formed at bottom edge of said bent~~
edge, ~~and the a bottom end of the said bent slab sticks out the sticking from an end of the said bent~~
edge, ~~so that an~~ insert groove ~~can be~~ being placed on the corresponding sides of the said shelf plank.

6. (Currently amended) An ~~improved structure of assembled shelf; wherein the~~ comprising:

a main frame comprises being comprised of two vertical side racks and several sets
of shelves; ~~and the~~ each shelf is being placed between the said two vertical side racks, ~~and the fixed~~
~~frame (connected by welding) is the~~ each vertical side rack ~~made by being comprised of~~ a vertical
bar and horizontal bar and forming a fixed frame connected by welding, the said horizontal bar is
being placed on the a pre-determined height of the each shelf ~~for the shelf; its feature includes:-~~

——— a; wherein said vertical bar of the vertical side rack includes is comprised of a main bar and
a secondary bar, ~~and the main and secondary bar is being placed in parallel and spaced in between,~~
~~and the space is being formed by the said horizontal bar;~~

~~the wherein~~ sides of the each shelf ~~that are~~ corresponding to the vertical side rack ~~has have~~
a frame; and a vertical groove is placed between two ends of the said frame, ~~and the a~~ position of the
groove is being connected with the main and secondary bar ~~mentioned above;—~~

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~~by so doing to achieve the positioning of the, each~~ shelf and two vertical side racks being positioned, and the main and secondary bars ~~provide the~~ providing an extendable vertical side rack for ~~the~~ each shelf.

7. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 6, wherein ~~the~~ a vertical section of the frame placed on two sides of each shelf ~~can be~~ is a \subset shape.

8. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 7, wherein further comprising:

a reinforced stand is being positioned in place; and ~~the reinforced stand has~~ having a long board with a predetermined width, and ~~the~~ a top end of its a short end ~~extends~~ thereof extending as a horizontal surface, and ~~the~~ said reinforced stand ~~extends~~ extending a bent section on both ends along ~~the~~ a long end of said long board, so that ~~the~~ said reinforced stand ~~may stand~~ standing from ~~the~~ said short end;

wherein the \subset shaped frame on both sides of ~~the~~ each shelf is open on a shelf plank, ~~which~~ form forming a frame space between ~~the~~ a bottom of ~~the~~ said shelf plank to ~~the~~ a bottom of ~~the~~ said frame, and ~~the~~ said reinforced stand having a bent section insertable into said frame space ~~is for the bent section of the reinforced stand to insert, so that the,~~ said reinforced stand is placed between ~~the~~ said frame on both sides, and ~~the~~ a top horizontal support at ~~the~~ a top side of ~~the~~ said reinforced stand ~~supports the~~ supporting a bottom of ~~the~~ said layer board, and ~~by so doing, it forms~~ forming a reinforced structure, so that ~~the~~ said shelf plank ~~can handle greater~~ handling increased weight.

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9. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 6, wherein the said main bar of the said vertical side racks and the ~~inner/outer~~ said secondary bar ~~can be~~ is a circular bar, ~~so that the~~ a horizontal section of the groove of the frame ~~can be~~ being semi-circular.

10. (Currently amended) The ~~improved structure~~ assembled shelf defined in Claim 6, wherein the said frame on two sides of the each shelf ~~may have~~ has a corresponding bent slab, ~~and the~~ a top and bottom of the bent slab ~~can be~~ being a horizontal slab, ~~and the bent slab being like a step by~~ having a vertical slab is connected between the top and bottom ~~to make the section of the bent slab like a step, so that the~~ thereof, a top of the said frame on two sides of the each shelf ~~form~~ forming a bent edge, ~~and the~~ said horizontal slab of the top end of the bent slab is being connected to the a bottom of the said bent edge, ~~so that~~ forming a \subset insert groove is ~~formed~~ at bottom edge of said bent edge, ~~and the~~ a bottom end of the said bent slab ~~sticks out the~~ sticking from an end of the said bent edge, ~~so that~~ an insert groove ~~can be~~ being placed on the corresponding sides of the said shelf plank.

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ABSTRACT OF THE DISCLOSURE

~~An improved assembled shelf is composed of at least a shelf unit, each shelf unit is composed of double stand side frames (10) and multi-layer frames (20), the multi-layer frames horizontally locate between the double stand side frames (10) and are parallel in vertical direction. Each stand side frame (10) is composed of transverse bar (40) and stand bar (30), the transverse bar and the stand bar are fixed with each other. The stand bar (30) is composed of a main bar (31) and at least an assistant bar (32, 33), the main bar (31) and the assistant bar (32, 33) are parallel and there is a space between the main bar and the assistant bar, the transverse bar (40) traverses the space and is fixed. There are planks (50) on the both sides of each layer frame (20) and there are stand trans-grooves (51) on the both sides of each plank (50), the grooves just assemble with the main bar and the assistant bar of each stand bar. So the improved shelf can be assembled without other orientational pieces and may extend transversally.~~ The present invention provides an improved structure of the assembled shelf. The invention includes a main frame having two vertical side racks and several sets of shelves. Each shelf is placed inside the two vertical side racks. There is a vertical bar of the vertical side rack, which includes a main bar and at least one secondary bar. The secondary bar is placed on the sides of the main bar, and the space is formed by the distance of the horizontal bar. A frame is placed on both sides of the shelf, and a vertical groove is on both ends. The groove can be connected to the main and secondary bars. By so doing, each shelf and two vertical side racks do not have to use other components to be positioned and are compatible with a common extension, such as vertical side rack, to make the invention more practical.